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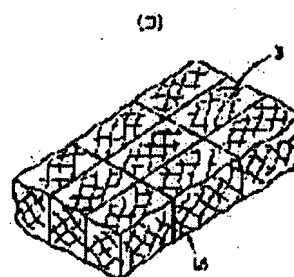
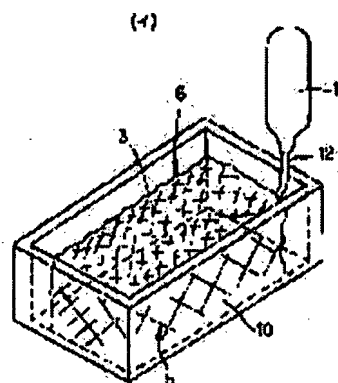
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(54) PRODUCTION OF LOOFAH-CONTAINING SOAP

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a process for producing a loofah-contg. soap which enables a human body to be easily cleaned owing to the effects of both a loofah and a soap and which is advantageous both in strengthening the skin and in bath room decoration effects.

SOLUTION: The husk and flesh of a loofah fruit are rotted and washed away with water, and the resultant fibrous structure is dried to give a loofah as a scrubbing brush. This loofah is cut in the longitudinal direction at the central part to cause a fine fibrous structure of the central part and a coarse fibrous structure of the surface part to be exposed to the outside. The cut loofah is put into a mold frame 10, and a specified amt. of a thermally molten clear soap is poured into the frame 10 and is cooled. Thus obtd. loofah-contg. solid clear soap is taken out of the frame 10 and is cut into a plurality of pieces.



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CLAIMS

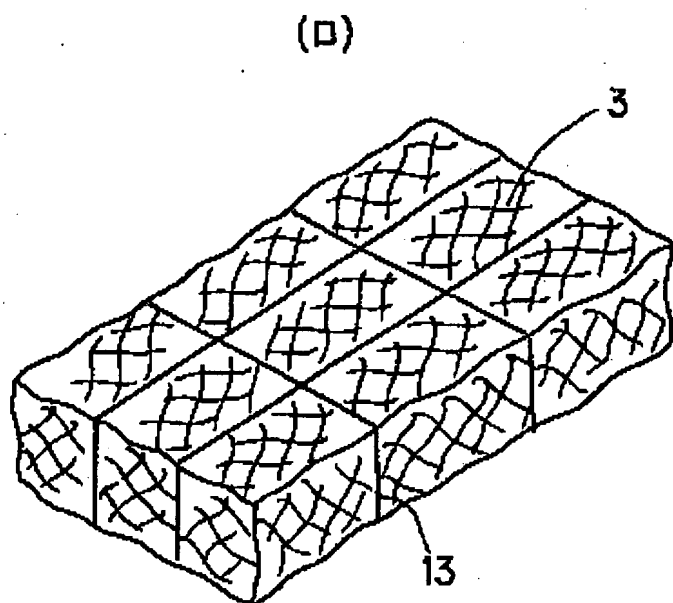
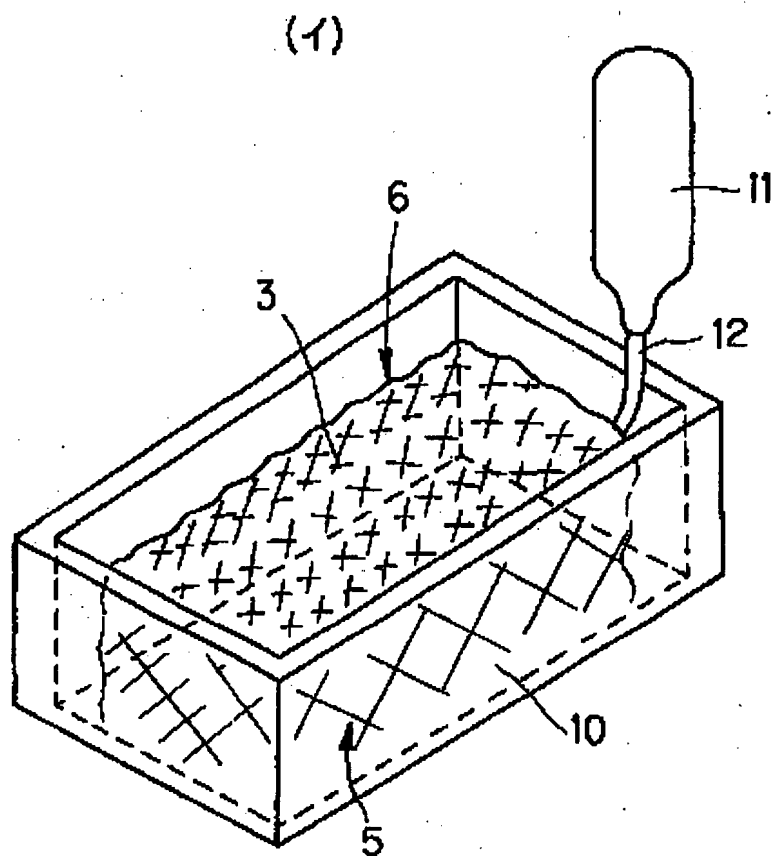
[Claim(s)]

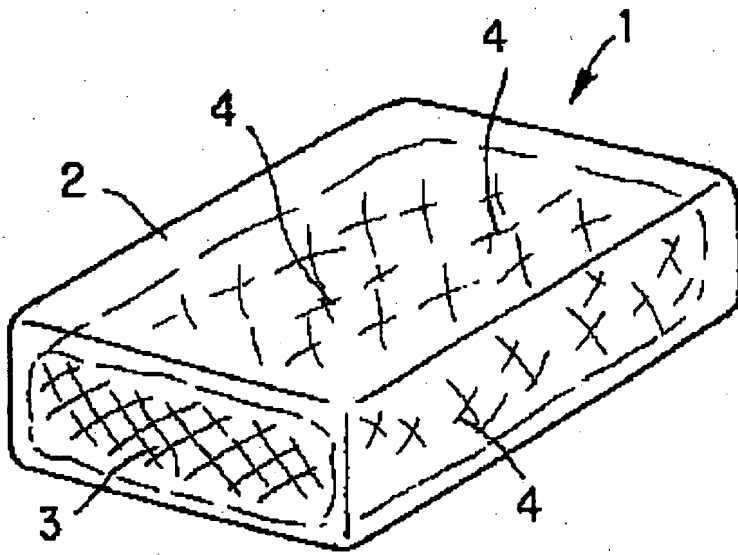
[Claim 1] Decompose the envelope and pulp of fruits of a sponge gourd, rinse, after leaving only fiber texture, dry, and form a scrubbing brush-like sponge gourd, and this sponge gourd is cut in the center section along with a longitudinal direction. The hard section of the fiber texture where the eye of the center section of the sponge gourd is fine, and the elasticity section of the fiber texture where the eye of the surface section of a sponge gourd is rude are made to appear. Subsequently, the manufacture approach of the sponge gourd hold soap characterized by having sampled the transparent soap which carried out cooling solidification from said shuttering object, and cutting this sponge gourd hold soap to plurality after containing this sponge gourd on the shuttering object and carrying out the specified quantity inflow of the transparent soap by which heating melting was carried out from the upper part of said shuttering object.

[Claim 2] This sponge gourd is the manufacture approach of the sponge gourd hold soap according to claim 1 which comes to arrange the hard section with a fine eye to both sides of soap.

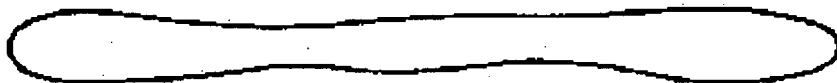
[Claim 3] This sponge gourd is the manufacture approach of the sponge gourd hold soap according to claim 1 which comes to arrange the elasticity section with a rude eye, and the hard section with a fine eye to both sides of soap.

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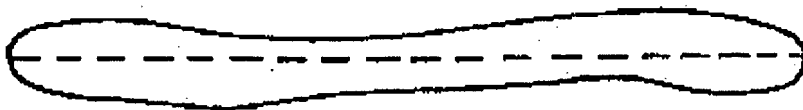




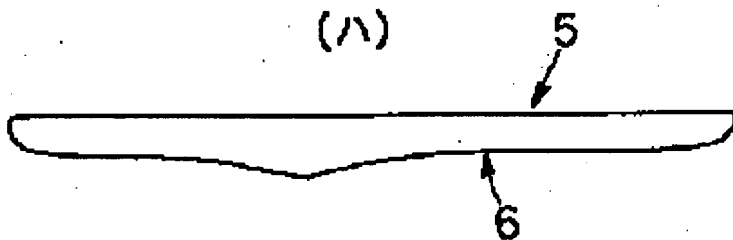
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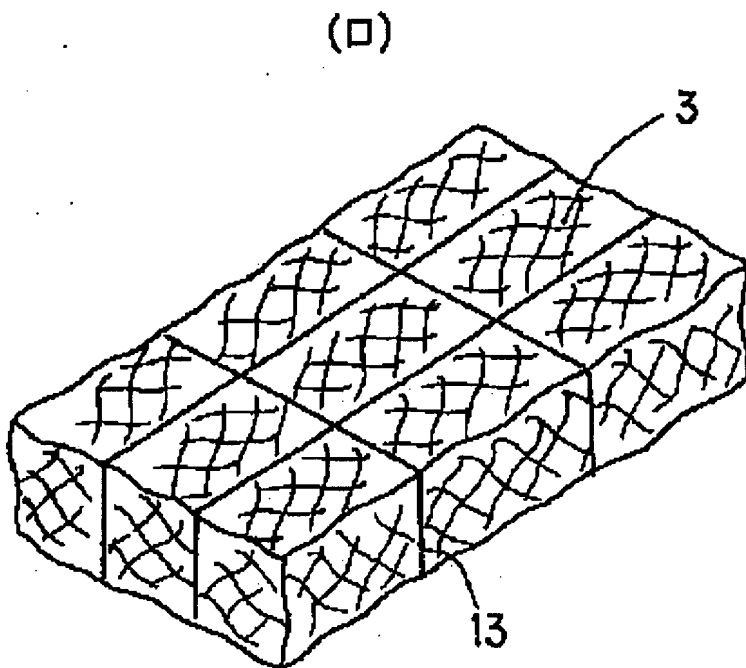
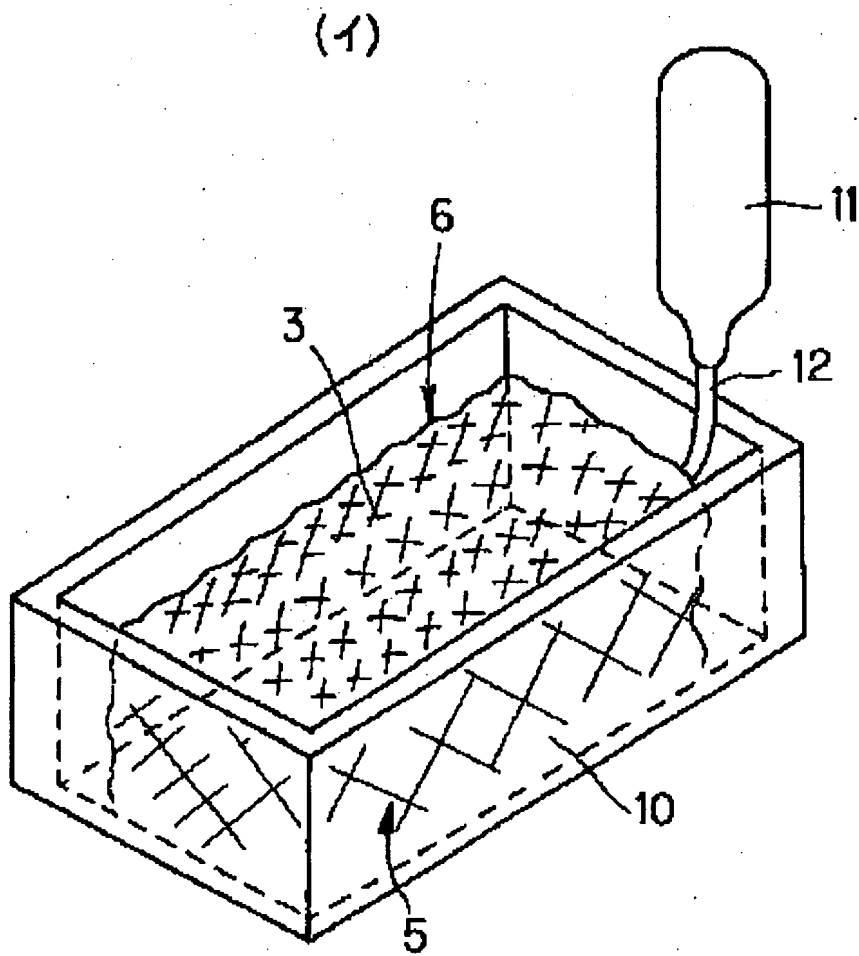


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DETAILED DESCRIPTION

[Detailed Description of the Invention]**[0001]**

[Field of the Invention] In soap, this invention decomposes the envelope and pulp of fruits of a sponge gourd, and is rinsed. since it leaves only fiber texture -- drying -- a scrubbing brush-like sponge gourd (it is only hereafter called a "sponge gourd" --) By holding, raising the washing capacity of the body and using the soap as transparent soap especially, the sponge gourd held in the interior is seen through and it is related with the manufacture approach of sponge gourd hold soap of having made it make interest holding also visually.

[0002]

[Description of the Prior Art] From ancient times, more, from the Heian period, a sponge gourd is treasured [to ** / by friction to the cosmetics effectiveness and skin] over several century as necessities for the clarification effectiveness at the time of bathing, and it does not become at the Edo period as compared with the chemical as latest alternative.

[0003] On the other hand, soap is indispensable because of washing of the body at the time of bathing, bar soap is used, and liquefied soap is also used widely in recent years. Moreover, the field of the time amount which makes the pneuma to cure fatigue of a day from improvement in a living standard in recent years relax is thought as important from the key objective that bathing makes the conventional body clarification. Therefore, the inclination for the bath interior of a room to perform production of space which fanciness is thought [production] as important and makes pneuma comfortable is large.

[0004] And when washing the body using ***** at the time of bathing, soap was attached to the towel etc. and friction with a towel and the skin has removed surface dirt and the dirt of the skin. under the present circumstances -- in order to train [or] the skin to make the body into clarification more -- from ancient times -- since -- rubbing the body which said sponge gourd was used, used the scrubbing brush which has the rude stitch which consists of sponge or a synthetic fiber in recent years, and attached soap to this, or attached soap is performed. Especially a sponge gourd is used with soap and a use is in strengthening of the drag force to strengthening of the skin, and various allergy. Moreover, the extractives of a sponge gourd are used also as protection to the rough skin as an essence or a cream.

[0005]

[Problem(s) to be Solved by the Invention] Therefore, not in the thing that as for the soap used for bathing washing capacity is good and many bubbles should just only form but in the recent years which will hardly change especially the washing capacity of soap, importance is attached to the ease of use, the enjoyableness at the time of use, or the fanciness of the bath interior of a room.

[0006] In view of an above-stated situation, the use of a sponge gourd and soap can wash the body easily conjointly, and this invention aims at the fanciness of a bathroom offering the manufacture approach of good sponge gourd hold soap with strengthening of the skin.

[0007]

[Means for Solving the Problem] Dry, after decomposing the envelope and pulp of fruits of a sponge gourd, rinsing and leaving only fiber texture, in order to solve the above-mentioned technical problem,

and ***** forms a scrubbing brush-like sponge gourd, and cuts this sponge gourd in the center section along with a longitudinal direction. The hard section of the fiber texture where the eye of the center section of the sponge gourd is fine, and the elasticity section of the fiber texture where the eye of the surface section of a sponge gourd is rude are made to appear. Subsequently, after containing this sponge gourd on the shuttering object and carrying out the specified quantity inflow of the transparent soap by which heating melting was carried out from the upper part of said shuttering object, the transparent soap which carried out cooling solidification was sampled from said shuttering object, and the above-mentioned technical problem was solved by having cut this sponge gourd hold soap to plurality.

[0008] Since the body can be washed, the skin is strengthened and the sponge gourd of this invention is transparent and visible to the interior of soap by rubbing the body as it is, without a sponge gourd being exposed from the front face of soap at the time of use of the soap, and applying soap to a towel etc. since it constituted as mentioned above, it can be used happily and, unlike a mere transparent soap and a mere scrubbing brush, is excellent also in the fanciness of the bath interior of a room. Furthermore, manufacture of this sponge gourd hold soap is faced. Decompose the envelope and pulp of fruits of a sponge gourd, rinse, after leaving only fiber texture, dry, and form a scrubbing brush-like sponge gourd, and this sponge gourd is cut in the center section along with a longitudinal direction. If the specified quantity inflow of the transparent soap by which was made to appear the hard section of the fiber texture where the eye of the center section of the sponge gourd is fine, and the elasticity section of the fiber texture where the eye of the surface section of a sponge gourd is rude, and contained this sponge gourd on the shuttering object, and heating melting was carried out from the upper part of a shuttering object is carried out The fused transparent soap flows down through the space of the mesh organization of a sponge gourd, and reaches the base of a shuttering object. A melting transparent soap is filled with the internal in-house of a sponge gourd, and is firmly combined with the fine organization. Then, cooling solidification of this is carried out, the transparent soap subsequently solidified is sampled from said shuttering object, sponge gourd hold soap is cut to plurality, and the sponge gourd hold soap of a predetermined dimension is completed.

[0009]

[The mode of implementation of invention] The mode of operation of this invention is explained to a detail based on a drawing. In the solidified transparent soap 2, it dries, after leaving only fiber texture, and the envelope and pulp of fruits of a sponge gourd are decomposed, it rinses, the scrubbing brush-like sponge gourd is held [the sponge gourd hold soap 1 manufactured by this invention is shown,], and drawing 1 can see through a sponge gourd 3 from the exterior of soap. To the outside surface of this soap, some fiber texture 4 of a sponge gourd 3 has projected.

[0010] If it has this soap and soap is rubbed to the skin when washing the body with soap on the occasion of use of this sponge gourd hold soap, the skin can be trained, while the fiber of the sponge gourd projected from a part of front face of soap rubs the skin and removes surface dirt and the dirt of the skin. If a sponge gourd is used in case the activity which rubs soap against a towel etc. becomes unnecessary by that cause and the skin is rubbed, after it rubs by the sponge gourd after attaching soap to the body, or rubbing soap against a sponge gourd, it will become very easy for the activity of rubbing the body to wash needlessness, **, and the body at a vessel. Moreover, on the occasion of the use, the use becomes comfortable and the body can be happily washed rather than it washes the body, only using a sponge gourd, and rather than it washes the body using only transparent soap. Furthermore, if this sponge gourd hold transparent soap is put on the bathroom, the fanciness of the bath interior of a room will also improve from the fun of that idea.

[0011] If it dries after such sponge gourd hold soap decomposes the envelope and pulp of fruits of a sponge gourd, and it rinses it, as shown in drawing 2 (b), and it leaves only fiber texture, a scrubbing brush-like sponge gourd will be formed. Subsequently, if a sponge gourd is cut in the center section along with a longitudinal direction as shown in the drawing 2 (**), as shown in drawing 2 (Ha), the elasticity section 6 of the fiber texture where the eye of the hard section 5 of the fiber texture where the eye of the center section of the sponge gourd is fine, and the surface section of a sponge gourd is rude

will appear. Thus, since the front face and rear face of a transparent soap differ from each other [the eye of fiber] by constituting, the sponge gourd expressed to the field of arbitration according to liking of a user can be used if needed at the time of being use, and the width of face of the selection can be expanded.

[0012] On the occasion of manufacture of this sponge gourd hold soap, a sponge gourd is contained on a shuttering object as shown in drawing 3 , for example, so that the hard section 5 of the fiber texture where the eye of the center section of the sponge gourd is fine may be arranged at the pars basilaris ossis occipitalis of the shuttering object 10 and the elasticity section 6 of the fiber texture where the eye of the surface section of a sponge gourd is rude may be arranged up. Subsequently, the specified quantity inflow of the transparent soap 12 which has been contained in the container 11 from the upper part of the shuttering object 10 and by which heating melting was carried out is carried out into the shuttering object 10. This soap that flowed passes through between fiber with an eye rude at first, flows down easily, passes along the crevice between the mesh-like fiber texture of a sponge gourd, and flows down after that between fiber with the fine eye located in a pars basilaris ossis occipitalis. And it is filled with a melting transparent soap in the fiber of all sponge gourds, and it is firmly combined with the fine organization. As it is, cooling solidification of this is carried out. Subsequently, solidified transparence ***** can be sampled from the shuttering object 10, and sponge gourd hold soap is cut to plurality, and it can arrange on a tray etc., predetermined days desiccation can be carried out, and it can consider as a product.

[0013] Moreover, a sponge gourd may be trichotomized into a longitudinal direction and each scrubbing brush-like sponge gourd may be contained on the shuttering object 10. In this case, both that front face may become the hard section of the fiber texture where the eye of the center section of the sponge gourd is fine, and the sponge gourd of the divided pars intermedia may contain this on a shuttering object.

[0014] Furthermore, a sponge gourd may be cut in the direction of a right angle to a longitudinal direction at plurality, a cutting plane may be used as a base, and a sponge gourd may be contained on a shuttering object. In this case, the cutting plane of a sponge gourd is intermingled with the hard section of the fiber texture where the eye of the center section of the sponge gourd is fine, and the elasticity section of the fiber texture where the eye of the surface section of a sponge gourd is rude, and appears.

[0015] If it flows in the shuttering object 10, the soap which flowed similarly will flow down the transparent soap 12 which has also contained said sponge gourd in the container 11 from the upper part of the shuttering object 10 and by which heating melting was carried out between the fiber easily located in a pars basilaris ossis occipitalis through between the mesh-like fiber of a sponge gourd with the self-weight. A melting transparent soap permeates into the fiber of a sponge gourd, and combines with fiber texture. Cooling solidification of this is carried out after that, solidified transparence ***** is sampled from a shuttering object, and sponge gourd hold soap is cut to plurality, and it can dry and can consider as a product.

[0016] Although various technique is known from the former in order to manufacture transparence bar soap For example, the fatty acid which uses as a principal component the carbon number 8 thru/or the saturated fatty acid of 18, and unsaturated fatty acid which are obtained by decomposing the beef tallow which is natural animal-and-vegetable-oils fat as a raw material, coconut oil, palm kernel oil, or these is used. lower alcohol and water -- adding -- 60 thru/or 80 degrees C -- warming -- it dissolves, and alkali material, such as a sodium hydroxide, performs saponification or neutralization, and what added perfume, coloring matter, etc. a saccharide, polyhydric alcohol, metal ion blockade material, and if needed to the obtained reactant is used.

[0017] In manufacture of such a transparent soap, by adjusting the addition of water, lower alcohol, etc., the moderate congealing point and a suitable degree of hardness can be given to soap, and, for this reason, solidification of soap, cutting, desiccation, plastic surgery, etc. can be performed comparatively easily. Thus, even if it is in addition at the time of use, the obtained transparent soap has creamy and rich foaming, and softening and swelling can hardly be started, either but it can use them good, while having good transparency.

[0018] On the occasion of manufacture of the above transparent soaps, transparency can be raised also

by being able to improve transparency and adding a free acid of an anionic surface active agent like a lauroyl ZARUKOSHIN acid or dodecylbenzenesulfonic acid glycols and by adding the TORIE tar amine salt of an anionic surface active agent for propylene glycol in large quantities especially, for example.

[0019] Moreover, although the above transparent soaps cannot but become expensive since they need many days for desiccation, they can shorten the drying time, for example by carrying out the amount content of specification of propylene glycols, such as glycerols, and the butylene glycols as a solvent.

[0020] One example of this invention is shown.

Ethyl alcohol 60kg is put into a dissolution reaction vessel at 60kg of example palm oil, 30kg of beef tallow, and 5kg of castor oil, and the solution which carried out heating mixing at 60-70 degrees C is prepared. 30kg of caustic alkali of sodium and 10kg of purified water are mixed to this, the heating dissolution is carried out, ethyl alcohol 60kg is added in said fats and oils at the solution which carried out heating mixing, and it saponifies at 70-80 degrees C. Addition melting of the 35kg of the purified sucrose is carried out at 70-80 degrees C after reaction termination, and a color and perfume are added further.

[0021] As shown in drawing 3 (b), 100kg of sponge gourds 3 is arranged at the pars basilaris ossis occipitalis of the shuttering object 10, and the specified quantity inflow of the transparent soap 12 which was held in the container 11 from the upper part of the shuttering object 10 and which is carrying out heating fusion is carried out. This soap that flowed passes along the crevice between the mesh-like fiber of a sponge gourd, flows down the inside of a sponge gourd, and reaches a pars basilaris ossis occipitalis. Thus, if the specified quantity inflow of the fused soap is carried out, a melting transparent soap permeates into all sponge gourd fiber. As it is, cooling solidification of this is carried out, and as the transparent soap subsequently solidified is sampled from the shuttering object 10 and it is shown in drawing 3 (b), it cuts with the soap of the specified quantity, and it arranges on a tray, predetermined days desiccation is carried out, and it considers as a product.

[0022] In addition, herbs, such as an aloe and Houttuynia, may be blended with soap by request. In this case, a herb is used as powder, mixes paste material, and adds it with melting soap.

[0023]

[Effect of the Invention] Since this invention has held the sponge gourd into soap transparent to above ****, at the time of use of the soap, without a sponge gourd being exposed from the front face of soap, and applying soap to a towel etc., by rubbing in the body as it is, the use of a sponge gourd and soap can make the body clarification conjointly, and when a sponge gourd rubs the skin, it can train the skin. Moreover, since a sponge gourd may be transparent inside soap, it can be made pleasant and can have. Furthermore, the fanciness of the bath interior of a room also improves.

[0024] Since the fiber presentation is a mesh-like, the sponge gourd held in the transparent soap can flow down the transparent soap easily fused through between the fiber of a sponge gourd on the occasion of the manufacture, and is easy to manufacture. Moreover, much fiber of the shape of a firm mustache can exist in the front face of the fiber of a sponge gourd extremely, and this fiber can become entangled with soap, it can stick, soap cannot dissociate with a sponge gourd while in use, and it can be used for a long period of time till use termination of soap.

[0025] Furthermore, soap is exhausted, a sponge gourd remains and after use of sponge gourd hold soap can perform using it only as a sponge gourd. Moreover, after use of a sponge gourd does not become waste, but it can belong to soil.

[Translation done.]